

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph no. 39 with the following amended paragraph:

The step of encrypting the DC coefficient includes the steps of: determining whether a value of an r-th bit is “1” in the determined encryption key of the DC coefficient; and transforming the DC coefficient by performing an exclusive logical sum operation between the ~~VLCVLI~~ of the DC coefficient and 11111111 if the determination result is “1”.